

Presented by:

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*Deputy Chief of Staff for Research,
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Army Materiel Command

**“AMC Support of Army
XXI and Army After Next”**

For the Armaments for the Army
of the Future Symposium, NDIA

23 June 1998



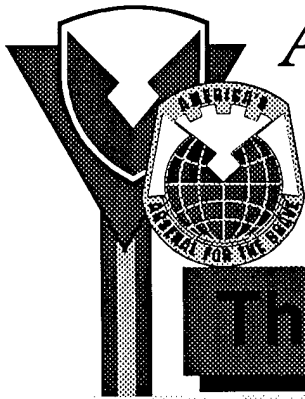
AMC – Relevant, Responsive & Ready!



AMC Support of Army XXI and AAN

Outline...

- ✓ **Army Vision**
- ✓ **Army Science & Technology (S&T)**
- ✓ **AMC/TRADOC Partnership**
- ✓ **AMC and Force XXI**
- ✓ **AAN and the S&T Investment Strategy**
- ✓ **AMC and AAN**
- ✓ **AMC Home Page**



AMC Support of Army XXI and AAN

Vision Statements...

The Army Vision

**The World's Best Army, *a full spectrum force*
-- *trained and ready for victory. A total force of quality soldiers and civilians***

- A values-based organization
- An integral part of the joint team
- Equipped with the most modern weapons and equipment the Country can provide
- Able to respond to our nation's needs
- Changing to meet the challenges of today...tomorrow...and the 21st Century

"Soldiers Are Our Credentials"

The AMC Vision

**The leader in *equipping and sustaining*
America's Army through
superior technology and
responsive support,
assuring world-wide
power projection and
decisive victory.**

"America's Arsenal for the Brave"



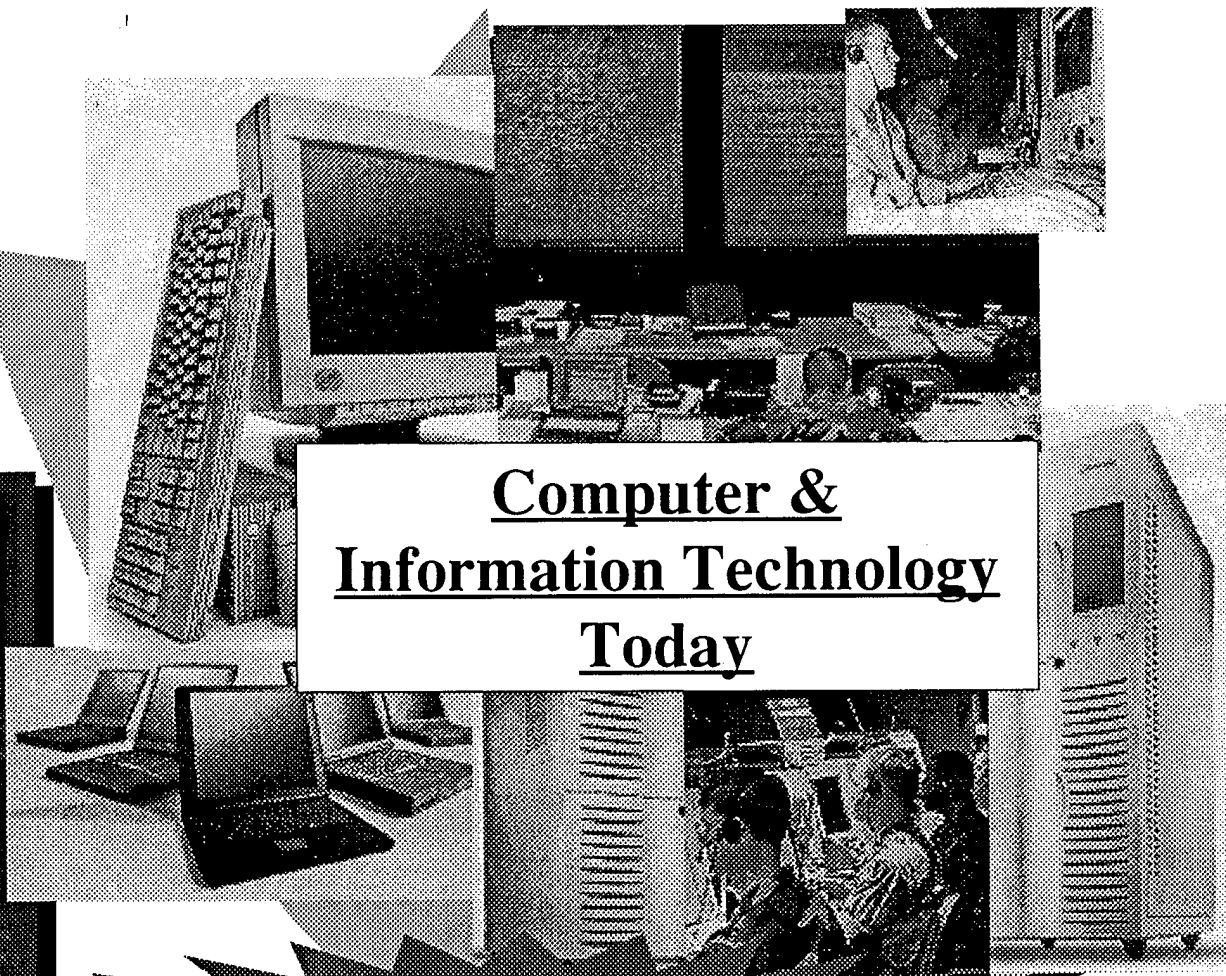
AMC Support of Army XXI and AAN

*Army S&T
Heritage...*

ENIAC - 1946
US ARMY



Computer &
Information Technology
Today

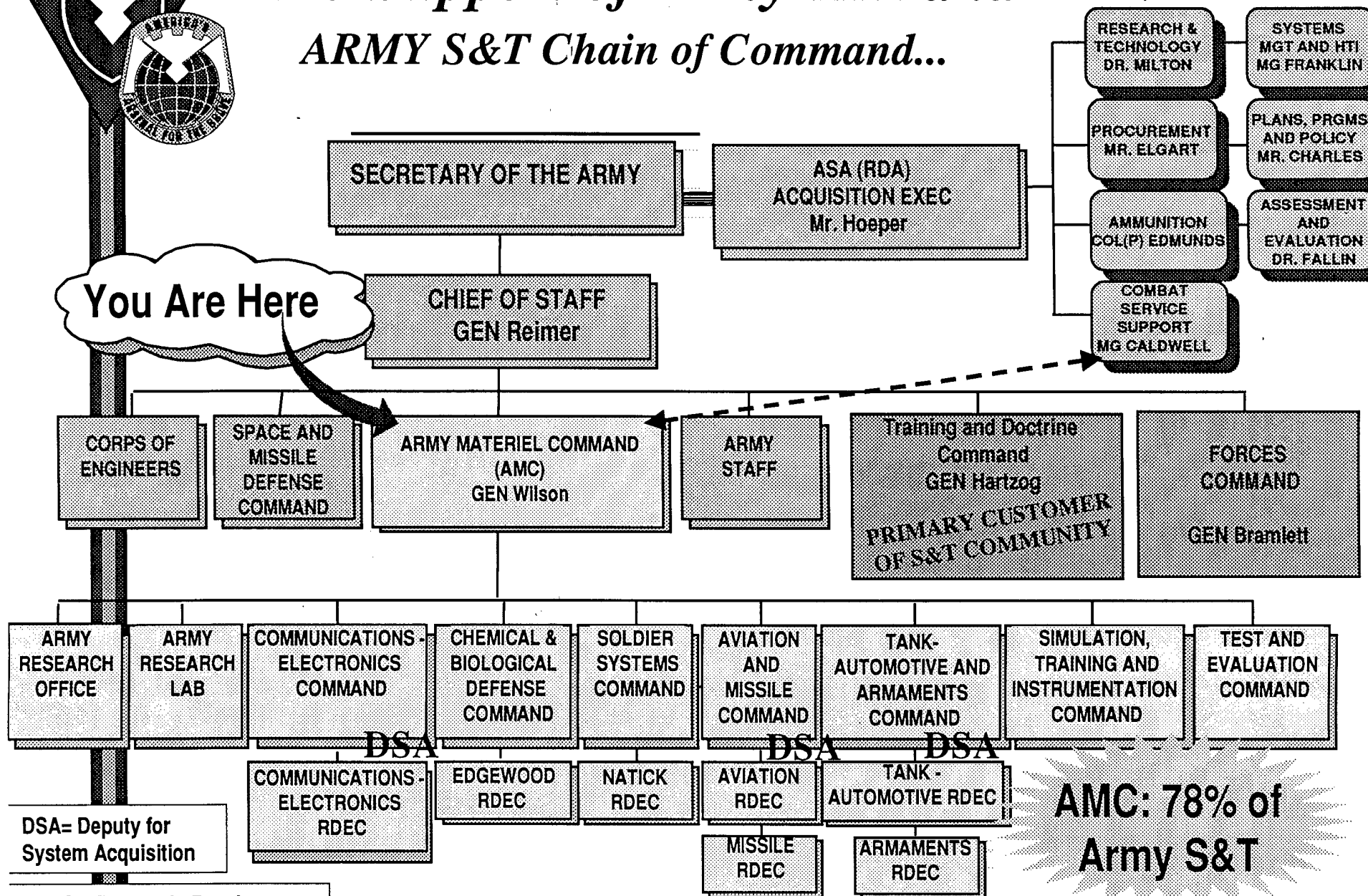


Did not happen without
industry & academia!



AMC Support of Army XXI and AAN

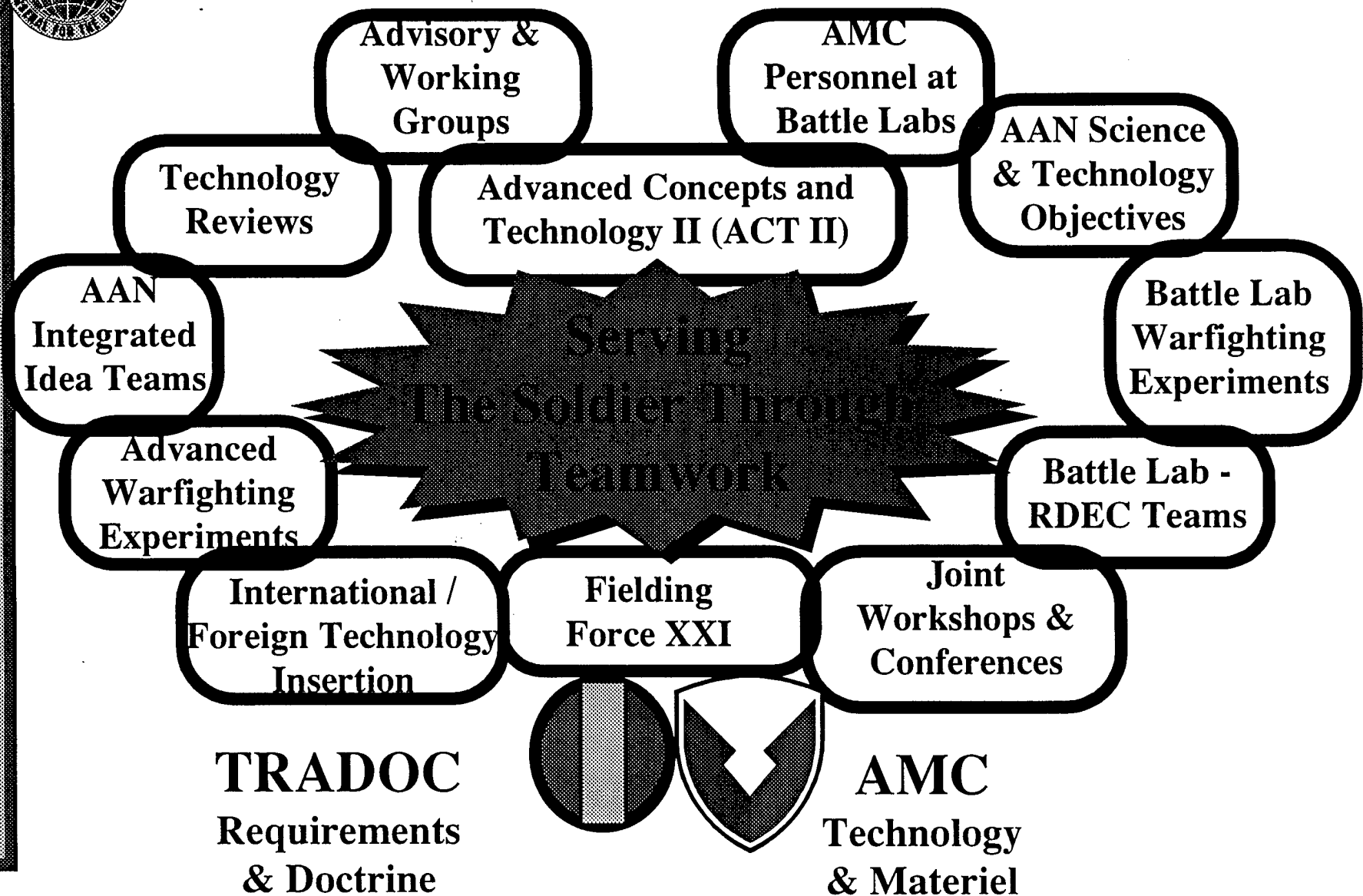
ARMY S&T Chain of Command...

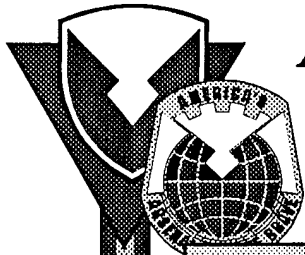




AMC Support of Army XXI and AAN

TRADOC/AMC Partnership...

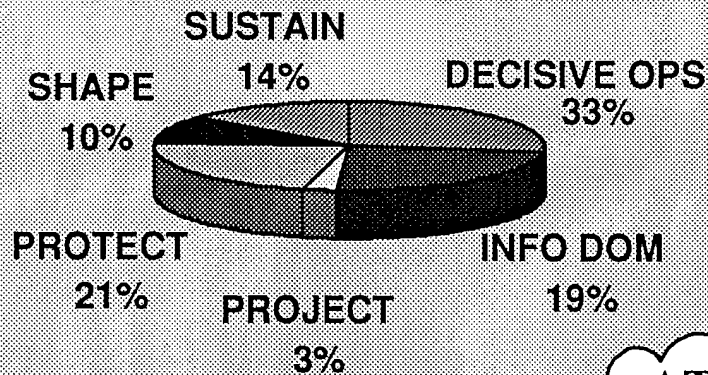




AMC Support of Army XXI and AAN

AMC and Force XXI...

S&T Investment for Force XXI



AMC STOs \$350M FY 98

ATDs
ACTDs

Warfighter Rapid Acquisition Process (WRAP)

- 11 Systems approved for 1997
- AMC manages 4
- All WRAP procurements are through AMC buying centers

Experimentation

AWEs and BLEs ...

- Personnel at TRADOC
- Infrastructure support
- System prototypes
- Engineering/technical support
- Simulation

Fielding Force XXI

Central Technical
Support Facility
(CTSF)

Fort Hood

PEO C3S
AMC TRADOC



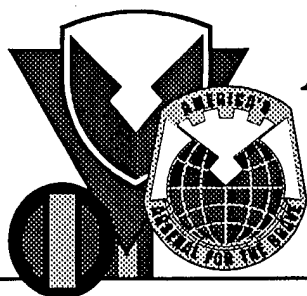
2025

Army After Next

Basic Research (6.1)

Strategic Research Objectives

S&T portfolio requires a menu of options.



AMC Support of Army XXI and AAN

Army (S&T) Investment Strategy...

Mental Agility

Physical and Mental Agility

TRADOC
(Requirements & Doctrine)

ARMY XXI

**AAN Battle Force
Enhanced Forces**

READINESS
Must balance current readiness with future readiness!

AAN DEVELOPMENT & FIELDING

AAN 6.3

Revolutionary

AMC
(Technology & Materiel)

AAN S&T (6.1 & 6.2)

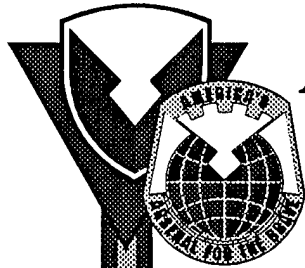
FY 04

TRADE-OFFS

ARMY XXI S&T (6.3)

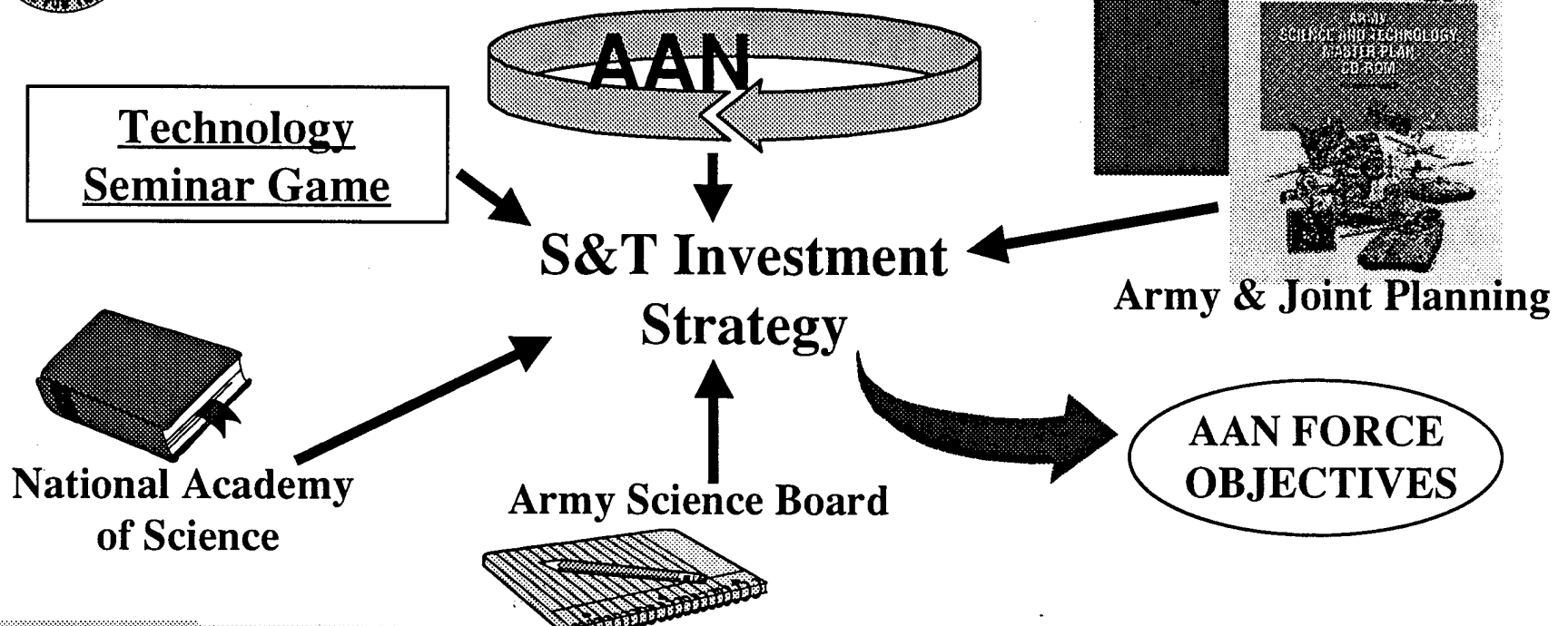
Evolutionary

ARMY XXI DEVELOPMENT, FIELDING & MODERNIZATION



AMC Support of Army XXI and AAN

AMC and AAN...



Direct Support

✓ Technology Build for Tactical War Games

✓ Technology Teams for AAN War Games

✓ Performing 78% of Army's total R&D

✓ Workshops (Biotechnology, Robotics)

✓ Formulation of S&T Investment Portfolio

✓ Integrated Idea Teams (Mobility, Fires)



AMC Support of Army XXI and AAN

AAN Force Objectives...

- ✓ **Lighter, Faster, More Mobile Force**
- ✓ **Significant Reduction in Force's Logistics Burden**
- ✓ **Precision Strike Capabilities Which Require Fewer Munitions to Accomplish Mission**
- ✓ **Integrated Data Fusion From Multiple Sensors and Intelligent Decision-Making Aids for Commanders at All Levels**
- ✓ **Countermeasure Capabilities to Protect Integrity/Availability of Information and Sources**
- ✓ **Bioscience/Human and Organizational Enhancement to Improve Soldier Performance and Capacity**
- ✓ **Power Sources Other Than Fossil Fuels & Batteries**
- ✓ **Ultra-Reliable Systems**

<http://www.amc.army.mil>

U.S. Army Materiel Command

America's Arsenal for the Brave

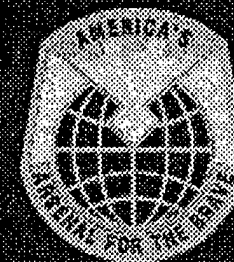
About AMC

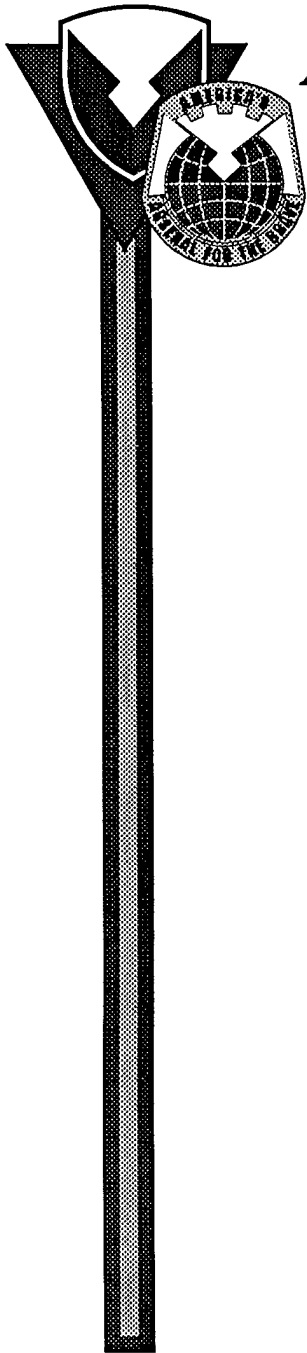
Headquarters

Commands and Activities

Business Opportunities

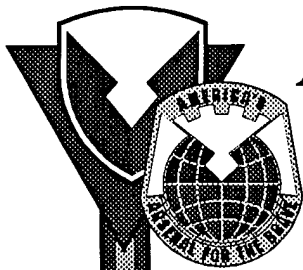
News & Publications





AMC Support of Army XXI and AAN

Back Up Charts



AMC Support of Army XXI and AAN

AMC and Industry: Partnership for the Future...

Army After Next requires AMC & Industry to:

- Align for jointness
- Leverage outsourcing and privatization
- Manage information and knowledge based systems
- Manage sustainment from factory to foxhole
- Tighten relationship with battlefield operations

Ways AMC interacts with industry

- Advance planning briefings to industry
- Small business symposiums
- CEO conferences/AUSA conferences
- Acquisition reform conferences
- Advanced Concepts and Technology II
- Small Business Innovation Research



Army After Next

- Smaller, more lethal and agile
- Largely CONUS base
- Depend heavily on technology
- Based on situational awareness
- Require anticipatory logistics



AMC Support of Army XXI and AAN

Making Technology Work for Soldiers...

**Technology
Generation**

Quick Response Office
Field Assistance in S&T



Advanced Concepts and
Technology II

Science, Technology &
Basic Research

Small Business Innovation
Research

Army After
Next
2025

AOE
1990

Today's Army
1998

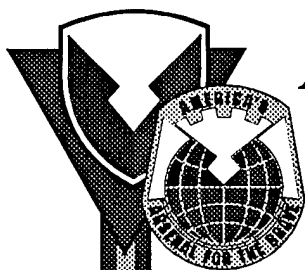
Army XXI
2010

Warfighting Rapid Acquisition
Process

**Acquisition
Excellence**

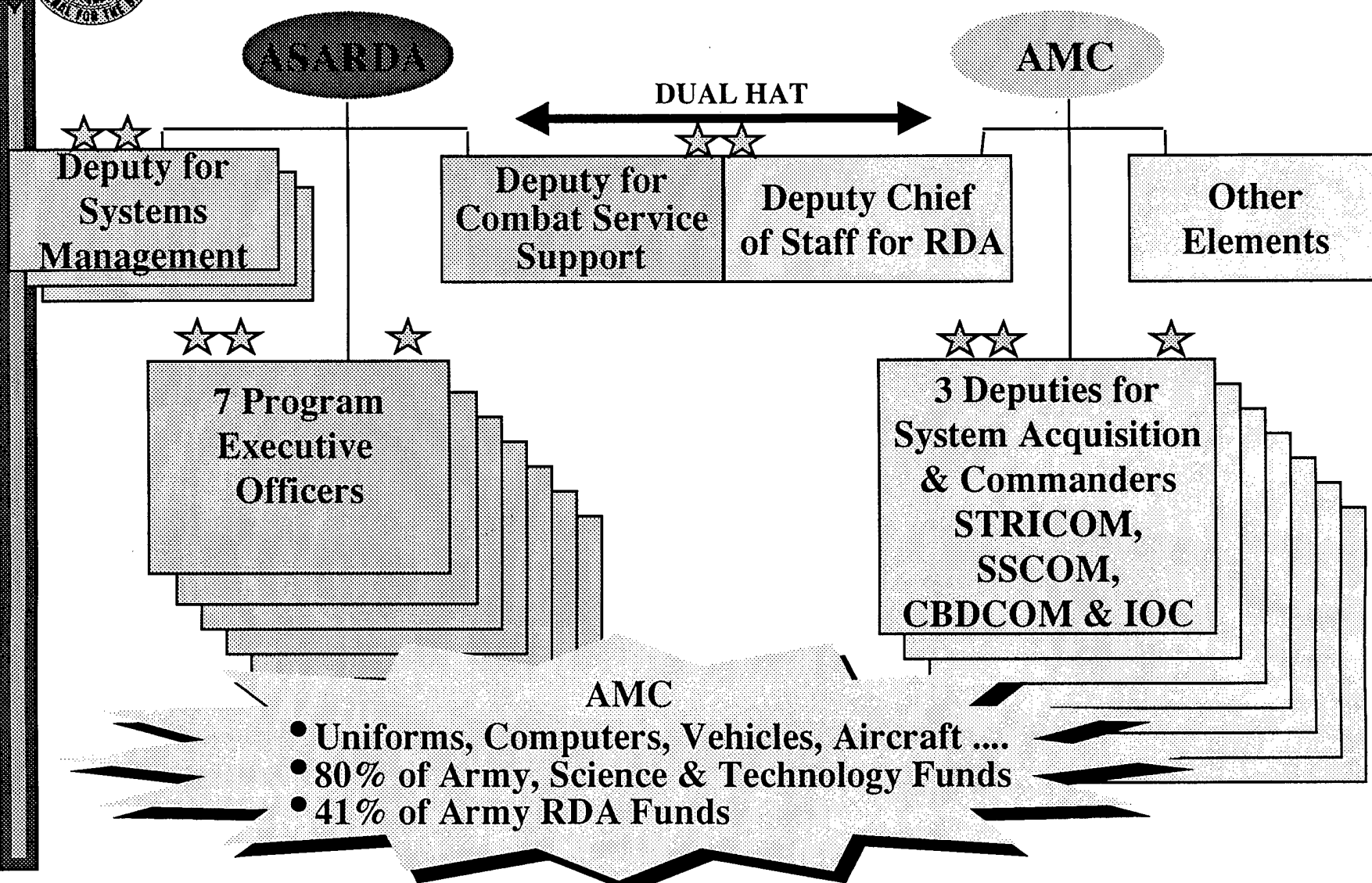
Acquisition Reform Management

**Key Functions of the
AMC DCS for RDA**



AMC Support of Army XXI and AAN

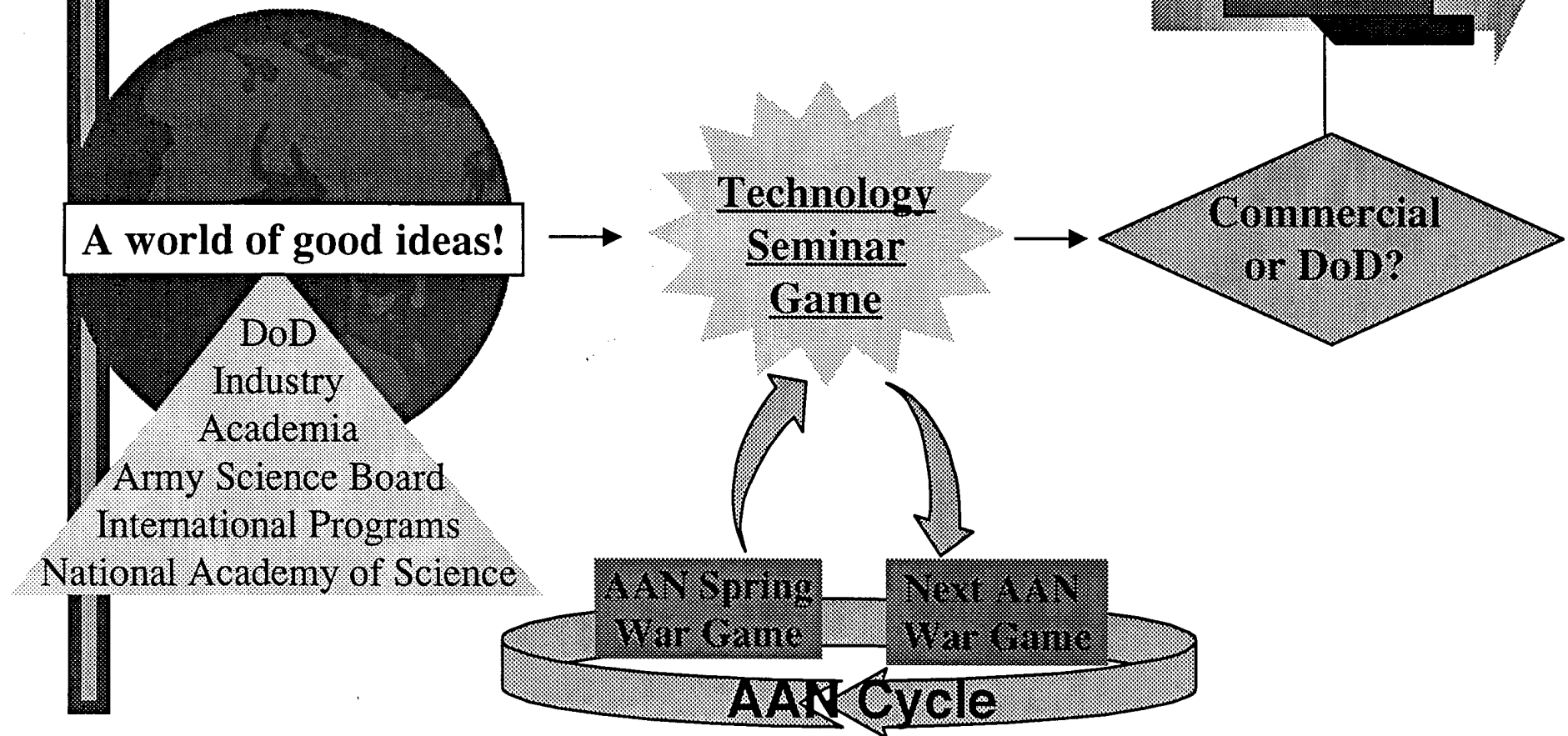
DCSRDA Wears Two Hats...





AMC Support of Army XXI and AAN

Technology Seminar Game: A key component to the Army's S&T Investment Strategy...





AMC Support of Army XXI and AAN

S&T Influence on Force XXI and AAN...

